

## REMARKS

For the convenience of the Examiner set forth below is a recapitulation of the status of the Claims in the present application.

| <u>Claim</u> | <u>Status</u>        | <u>Dependency</u> |
|--------------|----------------------|-------------------|
| 1            | Previously cancelled | -                 |
| 2            | Cancelled            | -                 |
| 3            | Amended              | 9                 |
| 4            | Amended              | 9                 |
| 5            | Cancelled            | -                 |
| 6            | Cancelled            | -                 |
| 7            | Cancelled            | -                 |
| 8            | Cancelled            | -                 |
| 9            | Newly submitted      | Independent       |
| 10           | Newly submitted      | 9                 |
| 11           | Newly submitted      | 9                 |

The comments of Examiner Dr. Whisenant have been reviewed carefully. This amendment is in accordance with Examiner Dr. Whisenant's proposed amendment.

The status of the Claims is as follows:

**Claim 2** has been cancelled. The subject matter and text of "Claim 2 (proposed)" which

was proposed by the Examiner has been exactly rewritten and presented as newly submitted

**Claim 9.** No changes have been made other than changing from "Claim 2" to "Claim 9" and the following:

In step i, the word "solution" has been changed to "mixture" for clarification and to keep consistent with the step k.

In step j, a comma (,) has been included after the word ice for clarity.

In step k, 15,000 has been changed to 13,000 to conform to the originally submitted claim 2.

In step n, it has been renamed as "m" for consecutive numbering after "l".

**Claim 10** (newly submitted) follows the format of Claim 4, as amended by the Examiner, and is presented to cover the method which includes the "steps of analyzing the biologically active cytoplasmic factors present in the top clear supernatant of step g" in newly submitted **Claim 9**.

**Claim 11** has been added to include ", and quick freeze on dry ice and store at approximately - 86°C" at the end of step l in newly submitted **Claim 9**.

**Claims 5-8** have been cancelled as suggested by the Examiner.

**Claims 3 and 4** have been amended as suggested by the Examiner.

**Claim 1** previously found to be directed to allowable subject matter.

**Claims 3, 4, 9-11** are believed to be in condition for allowance.

A new computer disc and a hard copy containing the sequence information previously submitted are enclosed. Disc information has been provided in both MS Word and in RTF files, so that the Accession K03455 and other supporting information can be read.

It is noted that the claims, as amended by the EXAMINER, no longer require any sequence information.

Applicant request that a Notice of Allowance be issued in this application. A copy of the Claims marked to show the changes made is attached.

Copy of the Claims marked to show the changes made with underlines and strike through.

3. (Amended) The method of Claim ~~9~~ <sup>2</sup> wherein the step of performing DNA extraction comprises the steps of:

- 1) adding buffer containing Tris-HCl, EDTA, NaCl and SDS to the nuclear fraction of step L,
- 2) adding RNAase A followed by proteinase K for approximately 2 hours at approximately 37 °C with gentle tapping,
- 3) mixing with an equal volume of Tris-HCl and EDTA buffer saturated phenol,
- 4) centrifuging at approximately 3,000 rpm for approximately 10 min, and collecting the upper aqueous phase containing DNA,
- 5) mixing with equal volume of phenol and chloroform,
- 6) centrifuging at approximately 3,000 rpm for approximately 10 min, and collecting the upper aqueous phase containing DNA,
- 7) mixing with an equal volume of chloroform/isoamyl alcohol prepared at a ratio of 96:4,
- 8) centrifuging at approximately 3,000 rpm for approximately 10 min,
- 9) collecting the upper aqueous phase containing DNA and precipitating using a salt and ethanol,
- 10) centrifuging at approximately 13,000 rpm for approximately 30 min,
- 11) removing the upper liquid phase and air drying the bottom DNA pellet,
- 12) dissolving the air dried DNA pellets in Tris-HCl and EDTA buffer.

4. (Amended) **In Claim 4** change the claim to read as follows by the Examiner: "The method of Claim ~~9~~ <sup>2</sup> wherein the method further includes the steps of analyzing the biologically active

transcription factors present in the top clear supernatant of step l.

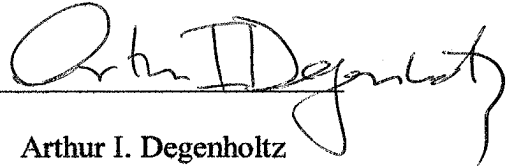
**Claim 10** (newly submitted) follows the format of Claim 4, as amended by the Examiner, and is presented to cover the method which includes the “steps of analyzing the biologically active cytoplasmic factors present in the top clear supernatant of step g” in newly submitted **Claim 9**.

**Claim 11** has been added to include “, and quick freeze on dry ice and store at approximately - 86°C” after the step l in newly submitted **Claim 9**.

A petition and petition fee covering a three month extension in the time to respond to the Office Action dated June 3, 2002 are attached herewith.

Courtesy, cooperation and skill of the Examiner Dr. Ethan Whisenant are acknowledged.

Respectfully submitted,

By: 

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Dated: November 27, 2002

Attachments:

A check in the amount of \$460.00